

TANK TEAM MEETS TERRIER SWIMMERS TOMORROW NIGHT

Engineers Are Confident On
Eve of Contest With
B. U. Swimmers

OPENS SWIMMING SEASON

A Victory For Beavers Would
Be First Since Lowell
Meet in 1923

"The important feature of Saturday's meet is the fact that the Beavers are going to win." Thus spoke Coach Russ Deane in answer to queries as to how the Technology swimming team would fare in the first meet of the season tomorrow night against the Boston University Terriers in the Boston Y. M. C. A.

Since the last meet between the two local rivals, which took place a year ago, the Institute natators have been much improved while the Terriers have been weakened by the loss of Klebahn, an all around dash man, who placed in the 50 yard dash, won the backstroke, and swam on the winning relay team in the 1925 fracas.

Rivalry for First Meet High

And so it happens that the Institute camp is so full of confidence and enthusiasm. Not for many moons has the swimming team boasted of such a talented array of natators to represent the Cardinal and Gray in the water sport. A victory tomorrow night would be the first one since the defeat of the Lowell Textile swimmers at the hands of the Beavers in 1923. In every meet since then, the Engineer team has been forced to drink the bitter dregs of defeat, and it is expected that tomorrow night will witness a reversal of form.

The high-pitched rivalry of the two schools and the fact that this is the first water event of the season is expected to draw a large attendance. Tickets are on sale by all of the swimming managers.

Entered in the 50 yard dash for Technology are Grover and Bill Walworth. Grover, the speedy Sophomore, is favored to win this event. Walworth defeated Brown in a time trial (Continued on Page 4)

INSTITUTE ALUMNUS EXHIBITS ETCHINGS

S. V. Chamberlain '18 Was
Tech Show Lyric Writer

S. V. Chamberlain '18, Tech Show lyric author, Voo Doo and Technique contributor, and artist of the present Institute Building sketches now appearing on Technology Review covers, is exhibiting his collection of etchings and lithographs at Goodspeed's Book Shop, at Ashburton Place in Boston, for two weeks beginning January 11.

Since leaving the Institute he has followed the career of an artist and has acquired considerable fame as an etcher, lithographer, and sketcher in pencil and pen and ink, of architectural subjects. His work has been published in several periodicals and has been exhibited in other cities.

Mr. Chamberlain is at present on the staff of the University of Michigan where he is teaching pencil sketching and architectural design. His etchings and lithographs at the Goodspeed's Book Shop will also be on sale.

The Canadian Club of Boston is giving an informal luncheon to the University of Toronto Hockey Team this Saturday, Jan. 9, at 1:00 P. M. in Room A, Hotel Bellevue. The cost is \$1.25. A special invitation is extended to all former and graduate Varsity students now attending Technology to attend this luncheon. The Club would like to see the fellows on the team return home with a good impression of their own kin in Boston. Anyone wishing to attend this luncheon in honor of the Varsity team, will leave their name, address and phone number at the Information Office, Room 10-100, before tomorrow morning if possible or phone G. N. Wedlake at B. B. 3181 this evening.

R. O. T. C. STUDENTS HAVE MEDICAL EXAM

Four doctors have been busy since last Monday, examining students who are making application for commissions in the Officer's Reserve Corps, according to word received from the Medical department. These examinations are being held daily from 9:30 to 3:30, and it is expected that at this rate the examinations will be completed by the end of next week. Dr. Morse, who is in charge of the Medical department, hopes that all men who are making application for commissions will report to the department for appointments as soon as possible.

MANY HEAR PUBLIC HEALTH LECTURES

Increase The Happiness Rate,
Says Professor Turner
At Lectures

Education in health practices is one of the most important public health functions of the day. To further this vital activity C. E. Turner, professor of the department of biology and public health, is conducting a course of lectures every Thursday night for the benefit of those people, such as teachers and nurses, who are intimately acquainted with school children.

Dr. Turner states that "Education in health practices is one of the most important public health activities of the present day. If the health educational program can put into practice scientific knowledge which we now possess, it will expand the average length of human life by ten years. In such a schedule the health education of school children is the most important element. The extensive studies which Technology has made in the school department of Malden show that health education is practicable, and acceptable to parents and school departments; more than this, there have been definite results as shown by the improvement in the health of children."

Many Countries Represented

There are about sixty-five students taking this course, of which number approximately five come from various parts of the world. The countries represented are the United States, England, Egypt, Roumania and Jugo Slavia. All of these students are either from the Harvard School of Public Health studying to be health officers, Harvard's graduate school, or they are school doctors, principals, directors of physical education and nurses. Dr. J. A. Seconi, director of school hygiene of Boston, has a broad comprehensive plan for promoting the health of Boston children and he urges teachers and school officials to take courses in public health so as to be able to co-operate with him in carrying it out. Some of the subjects being covered in this course are, Need for Health Education, Organization of School Health Programs, Habits to be Taught and many others.

Belgian Professor Believes Baconian Theory of Shakespere's Life Is Wrong

Professor DeRuel Treats Other
Possible Candidates
With Scorn

That Bacon was not the author of Shakespere's works was the opinion expressed by Professor DeRuel in his lecture to the Sophomore English section Wednesday in room 4-270. He does not believe that any of the candidates offered by the authorities was the original Shakespere.

Several authorities offered candidates for the place, but the Baconian theory seems to be the most popular. A certain Miss Bacon offered what she thought was conclusive proof that Bacon wrote the plays, and she was extremely proud of being one of his descendants. Professor DeRuel stressed the fact that Miss Bacon died in an asylum. Donnegan of Minnesota published two volumes in which he stated that he discovered a certain key word that proves conclusively Bacon's right to the throne. Mr. DeRuel states that the two volumes contain so much humor that he really doubts if Donnegan is really in earnest.

Colonel Fabian and Mrs. Galland formulated a new system of interpretation. They found five different types for the three sets of letters, but as Professor DeRuel says "Their conclusions are so unspeakably absurd that the results are, ipso facto, impossible."

DR. STRATTON WILL SPEAK AT PHANTOM DINNER ON JAN. 19

His Speech and Clubs' Concert
Will Be Broadcast
From Walker

BROADCAST FROM WBZ

Dr. Stratton's address and the undergraduate concert on the night of the Phantom dinner January 19 will be broadcast directly from Walker, according to an announcement recently made. Mr. L. D. Gardner '98, general chairman of the Radio Dinner Committee, has arranged with O. B. Denison '11, Brackett, D. W. Litchfield '85, who composed the committee representing the Boston Alumni, to have the program broadcast through WBZ.

Already special wires have been installed in Walker by means of which the musical program will be transmitted by wire to the studio where it will be broadcast. These selections that will be broadcast from Walker will form a part of the program of the ALL Technology Phantom Dinner in which several cities will take part.

In addition to the address by Dr. Stratton and the selections to be given by the Musical Clubs a specialty act from Tech Show will be presented. This act will be introduced by Denison and will consist of some musical numbers from this year's score.

1XM To Transmit Standard Waves During January

Service Starts Tonight With
The First Broadcast on
33 Meters

Technology's radio station, 1XM, is the first amateur transmitting outfit in this country which has volunteered to send out standard waves for the radio amateurs.

These standard frequency signals will be sent in a series of 11 transmissions. Five in the 40 meter band and five in the 80 meter band with one intermediate at 56.6 meters. Each of these transmissions will be sent for a seven minute period which will be divided as follows: two minutes—General Call from 1XM, three minutes—series of long dashes broken periodically by 1XM, one minute—announcement of exact frequency just sent, and one minute—announcement of the approximate frequency which will next be sent. The tests begin at 9 o'clock tonight with a test on 33 meters or 9100 kilocycles and will continue (Continued on Page 4)

ALUMNI BANQUET TOMORROW MAY BECOME LARGEST FOR THE PAST FIFTEEN YEARS

THIRD DORM DANCE IN WALKER TONIGHT

Members of the dorms will stage their last dance of the term tonight in Walker from 8 to 12 o'clock. Joe Herman and his Terrace Garden Orchestra have been secured for the affair, and the dance will be informal. Joe Herman and his orchestra are well known to radio fans. They broadcast every Thursday afternoon at 5:30 o'clock from station WEEL, and are accepted as a very satisfactory jazz orchestra.

Mrs. E. H. Schell, and Mrs. W. H. Freeland will serve as matrons for the affair. E. R. Hayes '27, James T. Henery '27, James Donovan '28, E. V. Lewis '28, Gilbert Hathaway '28, and W. H. Reynolds '28 have been selected as ushers.

E. H. Knight '26 is in charge of arrangements and is being assisted by R. L. Cory '26, and E. E. Talbot '26.

W. H. BASSETT '91 ALDRED LECTURER

"The Trained Man In Industry"
Is Subject of His
Talk Today

"The Trained Man in Industry" is the subject for the first Aldred lecture of the year which will be given by W. H. Bassett '91 this afternoon in room 10-250 at 3 o'clock. Mr. Bassett is the Technical Superintendent and Metallurgist for the American Brass Company of Waterbury, Connecticut.

He is a graduate of Course V and has been closely connected with the industrial aspect of the Chemistry of metals ever since he left the Institute. His first position was as chemist for the Pope's Island Manufacturing Company of New Bedford and later he took a position as a teacher in the Swain Free School of that City. After serving as an instructor for some time he again turned to the field of industrial chemistry, being employed by the New Jersey Zinc Company as chemist and later he transferred to the Coe Brass Company of Torrington, Connecticut.

Since 1903 he has been associated with the American Brass Company in which concern he is now a Technical Superintendent and Metallurgist. The lecture today is open to Seniors and members of the Faculty.

HOLD AN INSTITUTE COMMITTEE MEETING

Walker Memorial Committee
Elections Ratified

Meeting for the first time since vacation, the Institute Committee yesterday accepted several reports, listened to a word from the Chairman D. A. Shepard '26 expressing the sentiment of the executive committee in endorsing the Musical Clubs concert January 19, and adjourned. The only new business consisted in the ratification of some elections including those to the Walker Memorial Committee.

Chairman Shepard declared the Executive Committee was very much in favor of the Combined Musical Clubs Concert on January 19. "This is a time we can have one of the all too few Technology gatherings and each time we get the students together helps cultivate the school spirit."

The Walker Memorial Committee reported that two dances are being held in Walker on the evening of January 15 when the Faculty Club has a dance in the Main Hall and the Technology Boat Club holds a party in newly decorated North Hall. The corner room on the second floor adjoining North Hall and north lobby is now available as a ladies' retiring room and the room directly above it can be used for a men's checking room.

Absentees at the meeting were L. F. Baker '27, P. I. Cole '27, C. A. Harrison '26, G. S. Killam '26, P. L. Mahoney '26, F. W. Sammis '28.

COLONEL CHARLES HAYDEN PRESIDES AT ANNUAL DINNER

Dwight W. Morrow and Dr.
Charles H. Herty Will Give
Principal Talks

TICKET SALE PASSES 400

WTAT of The Edison Electric
Will Broadcast Speeches
Of the Banquet

Advance ticket sales for the annual banquet of the Technology Alumni Association, which is to be held tomorrow evening at 6:30 in the main dining room of the Chamber of Commerce, have reached a total of 400. WTAT, one of the broadcasting stations of Edison Light of Boston, will transmit the banquet.

Arrangements for the program are practically complete, with speeches by D. W. Morrow, Dr. S. W. Stratton, and Dr. H. Herty on the list. Colonel Charles Hayden '90 will preside and throughout the dinner there will be Technology songs and cheers under the leadership of O. B. Denison (Secretary-Treasurer of the Alumni Association.) In addition to an organ recital by Mr. Weir, the Chamber's organist, moving pictures of the All-Technology Reunion of last summer will be shown. No announcement has been made as to the subjects of the talks by the various speakers.

Prominent Alumni Attend

Mr. Morrow is a member of the firm of J. P. Morgan and Company. He was recently chairman of President Coolidge's aircraft investigation board. Mr. Hayden '90, the presiding officer, is president of the Alumni Association, senior partner in the New York brokerage firm of Hayden, Stone and Company, a life member of the Corporation, and a director in 58 industrial corporations. Dr. Herty is president of the Synthetic Organic Chemical Manufacturers' Association.

Many prominent alumni will be present at the banquet, including Corporation members, Faculty members and officers of the Alumni Association. Seated at the head table will be Charles Hayden, President and toastmaster; D. W. Morrow, C. H. Herty and S. W. Stratton, speakers; F. R. Hart '89, Howard Elliott, C. T. Main '76, Everett Morris '85 E. S. Webster and George Wigglesworth members of the Corporation; C. M. Spofford '93, Chairman of Faculty; H. P. Talbot '85, Dean of Faculty; W. R. Kales '91 and S. C. Prescott '94, vice-presidents; O. B. Denison '11, Secretary-Treasurer; W. C. Brackett '95, committee chairman; D. A. Shepard '26, Senior Class President; and W. Z. Ripley '90.

BRIGHT LIGHTS MAY MAKE EXAMS EASIER

According to Major Smith all the lights in the buildings have been cleaned of a thick coating of dust, and all erasers in the inverted globes have been removed, thus permitting more light to reach the reading matter of the students. The cleaning forces spent almost the whole vacation doing this, and the results are said to be remarkable.

Quite a few defective or obsolete electric bulbs were replaced by the new style tipless bulbs, which give more satisfactory service than the bulbs they replaced. The net effect has been to brighten up the Institute a great deal, which ought to make the preparation for the forthcoming mid-year examinations easier than expected.

CALENDAR

Friday, January 8

3:00—Aldred Lecture by W. H. Bassett, room 10-250.
4:00—Chemical Movies, room 10-250.
5:00—Chemical Society officers meeting, room 3-312.
8:00—American Chemical Society meeting, North Hall, Walker.
8:00—Informal Dorm Dance, Main Hall, Walker.

Saturday, January 9

6:30—Alumni Association Banquet, Chamber of Commerce Building.

A Record of
for 44 Years
Continuous
News Service



Official News
Organ of the
Undergraduates
of Technology

MANAGING BOARD
T. W. Owen '26.....General Manager
J. R. Killian '26.....Editor
L. C. Currier '26.....Managing Editor
T. A. Mangelsdorf '26.....Business Manager

ASSOCIATE BOARD
F. E. Anderson '27.....News Editor
H. P. Ferguson '27.....Sports Editor
H. F. Howard '26.....Features Editor
L. F. Van Mater '27.....Treasurer
I. L. Hopkins '27.....Circulation Manager
G. C. Houston '27.....Advertising Manager

OFFICES OF THE TECH
News and Editorial—Room 3, Walker Memorial, Telephone, Univ. 7029
Business—Room 302, Walker Memorial, Telephone, Univ. 7415

SUBSCRIPTION PRICE, \$2.50 PER YEAR
Published every Monday, Wednesday and Friday during the college year
Entered as Second Class Matter at the Boston Post Office
Member of Eastern Intercollegiate Newspaper Association

In charge of this issue

A. J. Buckley '27

WHICH COMES FIRST?

THERE can be no doubt of the truth of the declaration of the President of the Alumni Association that additional dormitories are a pressing need at Technology, and that their construction would go a great way in stimulating Technology spirit. But it is a question worth considering whether an even more immediate need, and a need the satisfaction of which would do still more for the spirit of the Institute, is not the construction of a student auditorium of sufficient size to become a gathering place for the entire school.

In several ways, Walker Memorial as at present constituted does not adequately serve the social needs of Technology. For one thing, to make a place like the main hall serve as a cafeteria in an anomaly; it is much better suited to serve as a huge lounge where students may gather between classes and in the evening. Again, even the main hall is not big enough to accommodate more than a small fraction of the student body, and any big gathering, such as Commencement, fills it to an uncomfortable extent. Moreover, a large auditorium would provide a place for mass meetings, as suggested in this column a short time ago.

A great deal of entertainment and amusement is provided at many colleges by dramatic clubs, but at Technology the formation of such a club has been prevented by the lack of proper facilities. (True, we have Tech Show; but only a small number can participate in that; a higher grade of dramatic ability is demanded than need be possessed by those who produce plays for the enjoyment of the production; and Tech Show produces but one play a year). The suggested auditorium building could contain a hall with a stage suitable for the use of a dramatic club, for Tech Show rehearsals, and for other entertainments.

Other possible facilities that might be offered by the new auditorium occur in great number. A hall suitable for Musical Clubs concerts and for the Junior and Senior proms, for instance, might well be included. It might be considered advisable to put the new gymnasium so urgently needed in the same building. These details, of course, would be left to a committee of the Corporation or of the Alumni.

There is plenty of room on the Institute's property for such a building, which might be placed either near the dormitories and Walker Memorial or perhaps over facing Massachusetts Avenue. It would naturally be of stone in harmony with the other buildings; and that would mean that the cost would at least equal the million dollars estimated cost of the ten new dormitory units.

One thing to be said in favor of building an auditorium before building dormitories is this: a million dollars spent on the latter will permit about 400 more men to live at school, and will consequently stimulate the college spirit in 400 men. But the benefit of the auditorium would be felt by the entire school.

It is heartening to those who deny the narrowness of Technology men to see so large an attendance at a lecture like Wednesday's talk by Professor de Ruel. When sufficient men to fill room 4-270 are interested in a subject like the identity of Shakespeare, it indicates that Institute students are not so ignorant of literary matters as people are led to believe.

A NEW YEAR

WE hear of it everywhere, we never see it, but occasionally we feel its presence. The very words by which it is known are most trite. Indeed no expression has been more over-worked than this selfsame—College Spirit. With all the wealth of the English language, is there no better phrase to express that intangible yet omnipresent idea? Meanwhile the uninitiated ask: What is this "College Spirit"? where is it found. In answer we can but offer a few suggestions. It is almost never found in the classrooms; but it haunts the gridiron and diamond, the rinks, and the courts. For there it is fostered by those who make many real sacrifices for Technology. What it really is, is not so easily told. Someone has defined College Spirit as "Love for Alma Mater, respect for her Traditions, sympathy for her Ideals." It is not an attribute of a single individual, nor of a group; but is rather a quality of the past, present and future graduates in a single and united body. College Spirit is essentially a function of the masses.

In the past, Technology has not been privileged to have all the support she has deserved. But there is no more appropriate time than this, the New Year, to concentrate our efforts in bringing Technology Spirit back on the Campus. The support of every single Institute man is needed. Obviously, the support of the organized groups must be enlisted first. Can we count on the support of the activities, fraternities, and dormitories? If so, the battle is half won.

The first opportune occasion for showing this Technology Spirit will be at the Stag Concert the night of the Phantom Banquet. It will be the best opportunity the students have ever had to pay tribute to Technology—they can make it the greatest tribute Technology has ever received by turning out en masse. It is the duty of every true Technology man to support the affair: to join hands with the Alumni and sing the honors and glories of Technology.

Let this, then, be the watchword of the Year 1926: *Technology Spirit*. We, of THE TECH, pledge our support to this great drive. May we have your help?

ENTRANCE INTO WORLD COURT BY THE UNITED STATES IS DISCUSSED

The World Court has been the piece de resistance in the fields of collegiate argument for some months now. Many have formed opinions without knowing the main facts in the case.

In 1920, the Assembly and Council of the League of Nations passed a resolution that an International Court of Justice should be formed "to try judicially international questions." By September 1921, twenty-six of the fifty-five nations signatory to the League of Nations had ratified the proposal of the World Court.

The World Court is composed of eleven judges and four deputy judges who serve for a term of nine years and may be re-elected. These judges are nominated by the Hague Tribunal and are elected by the Council and Assembly of the League, acting independently. Those nominees who obtain a majority vote from both the Council and Assembly are elected to the Court. It is specified that one country may have not more than one judge on the Court.

The jurisdiction of the World Court covers all subjects submitted to it by subscribing nations. Furthermore, it has jurisdiction over all treaties, previously in force and concerning these nations. The first point which caused much discussion was over that of compulsory jurisdiction, i. e., that a nation should be compelled to submit its disputes to the Court and accept the Court's decision. The Assembly of the League, which is composed of representatives of the lesser Powers, said that there should be compulsory jurisdiction. The Council of the League, which is composed of representatives of the Greater Powers, such as Great Britain, France, Japan, said that a nation should not be forced to submit its problems. The result of this argument was a compromise to the effect that a nation, upon subscribing to the World Court, should have the right to elect whether or not it desired to submit to compulsory jurisdiction.

The third important phase of the World Court is that of Advisory Opinion. It is stated that the Council and Assembly of the League may ask the World Court, at any time, for an Advisory Opinion on any matter concerning the signatory nations. This is a brief but comprehensive outline on what the World Court is. Now let us consider the various arguments pro and con.

The Case for the "Court"

The first argument offered in support of the World Court is that of isolation. It is pointed out that if the United States does not join the Court, we shall stand alone among the nations. They say it is the "least" we might do to join the Court; that we would not be obliged to accept the League; that by our so doing would give courage to the entire world and lend moral force to the Court.

The second important argument is that the interdependence of industry demands such a Court in order to settle trade disputes which at the present time are assuming international complexity. It is pointed out that Foreign trade is increasing. In 1924 our imports were \$3,450,000,000 about three times what they were in 1913. Furthermore, United States with 6% of the world's population and 7% of the world's land is supplying 40% of the world's iron, 75% of the world's corn, 25% of the world's wheat, 52% of the world's coal, 60% of the world's copper, etc., totalling in exports for 1924 over four billions of dollars. Foreign investments at the present time amount to over nine billions of dollars, while Foreign loans aggregate nearly eleven billions of dollars.

The third point is that international relations point towards Law rather than War. This seems a trifle idealistic when one realizes that national prejudices, international diplomacy

and human nature are essentially as they always were—neither better nor worse.

The arguments against the World Court are also threefold. The first is against the Court as a court. In the first place, it is argued that the World Court has no sovereignty. A court to be a court must be sovereign. The Supreme Court of the United States is sovereign because it has the United States itself to back it. There is no nothing which takes precedence over real sovereignty because there is the sovereign nations. It is conceivable that some day there may be a super-sovereignty but the outlook for the present is at the best mere international agreements.

Again, it is argued that a court's sole duty is to adjudge law. There is no law which the World Court might adjudge, therefore, the court is not a court. To illustrate once more: The Supreme Court is a real court because it adjudges laws which Congress makes. Congress cannot adjudge law neither can the Supreme Court make law. It is argued by the affirmative that it may adjudge International law but strictly speaking there is no such thing as international laws—the so-called laws are nothing but international arrangements which are backed by mutual faith. Therefore, the negative says: wait until the body of law the court is to adjudge is codified. When that has been done serious steps may be taken with regard to our joining the World Court.

Furthermore, it is argued that the Court as a court has no sanction. It lacks the power of enforcement of its decisions, which can only be trusted to the co-operation of the world. It has been suggested that there might be an international police force. This is a hopeless idea for international prejudice would prove a hopeless obstacle in addition to the fact that such a move would be war, only under a different banner.

The second fundamental argument against the World Court is that it is inextricably linked up with the League of Nations, about which the United States has already taken stand. It is demonstrated that the World Court was set up by Statute of the League, the court functions under the League, the judges of the court are elected by the League, its very personnel is drafted from the League, its only sanction is that which comes from the Council and Assembly of the League. It is specified in Article 13 of the League that any refusal to abide by the decision of the Court is to be referred to the Council of the League which may take steps to enforce the decision. These steps may be in the form of economic boycott or pressure, or even military force. The negative demand that the United States leave the World Court alone until it is independent of the League.

The next important point is that of compulsory jurisdiction. Of course it is an optional clause, but the way it has turned out is that the Council of the League is composed of nations

which are not bound to bring their cases in, while the Assembly representing the smaller Powers have so bound themselves. This is a pointed out is not at all logical—a double standard.

The last and perhaps the most important argument is of a more practical nature. It is that entrance to the League could easily cause the United States an endless amount of embarrassment, particularly with regard to the Advisory Opinions clause. For example, suppose some European nation were to ask the Court for an Advisory Opinion on the validity of the Monroe Doctrine—which she would have a perfect right to do. In Europe the Monroe Doctrine has never been accepted—it has merely been tolerated. It does not take much imagination to see the outcome, for a single member of the Court would have little power to influence the entire court. Again, suppose some nation were to ask for an Advisory Opinion on the question of Philippine independence. What the decision would be is quite evident. Lastly, suppose that Japan were to ask for an Advisory Opinion on Japanese Exclusion in the United States. Here again the decision is quite evident. Remember these illustrations are given purely as such, with no regard to the merits of the different sides of the question. In any case the United States would find herself in an extremely embarrassing position.

These points then in a sketchy way give an outline of the World Court question. The deductions are self-evident: The World Court is such an extremely involved question, requiring long and thorough inquiry, that any hasty steps in the matter might cause endless trouble. This may not be construed as implying that we should never enter the World Court, but it does imply that until International Law has been codified, until certain very material obstacles have been ironed out, the United States should remain strictly aloof from the World Court. We believe in an enlightened public opinion, thorough and intelligent consideration of the facts—not propaganda—and ultimately a decision which will be in accord with the investigations.

The Fraternities Club

A Club for College Men
397 Commonwealth Ave.
Boston

Daily Luncheon and Dinners
Served in the Grill
Grill open evenings—7. p.m.
to 2 a. m.

Accommodations for Fraternity
and Club Banquets
Watch for opening of Dining
Room and Ballroom
A few rooms still available
Kenmore 6880

Mount Vernon Church

Beacon St. and Mass Ave.

Ministers

Sidney Lovett Everett Baker
11 o'clock—Morning Worship.
Preacher, Rev. George T. Smart,
D. D., Acting President of Wheaton College.
7:30 P. M. Young People's Society in the chapel. Speaker, The Honorable Sanford Bates, Commissioner of Penal Institutions.
Subject: "Society and Crime."

FIRST CHURCH IN BOSTON

Organized 1630

Cor. Berkeley & Marlborough Sts.
Rev. Charles E. Park, D.D., Minister
Rev. Edward Cummings
Minister Emeritus
SUNDAY, JANUARY 10, 11 A. M.
Dr. Park will preach
MUSIC
A Rose Breaks Into Bloom
Brahms
Arise, Shine Elvey
Like as the Hart Palestrina
Grand Chorus E Flat Cullmant
Organist Mr. William E. Zeuch

Sunday Services

FIRST BAPTIST CHURCH IN BOSTON
Cor Commonwealth Ave. and
Clarendon St.
Sunday, 10:30—Morning Worship. Sermon by the minister.
12:00—Discussion Group.
7:30—Student Club.

FIRST PRESBYTERIAN CHURCH IN BOSTON
Columbus Ave. and Berkeley St.
Sunday, 10:30—Morning Worship
5:00—Social Hour in Vestry.
6:30—Young People's Meeting.
7:30—Evening Service.

TEMPLE ISRAEL
Commonwealth Ave., at Blandford St., Boston
Saturday, Jan. 9, 10:30—Rabbi Wolk: "The Undying Fire."
Sunday, Jan. 10, 11:00—Rabbi Levi: "As I Grow Older."
Tuesday, Jan. 12, 8:00—College Club Meeting.

PROSPECT STREET CONGREGATIONAL CHURCH
Near Central Square, Cambridge
Sunday, 10:30—Morning Worship.
12:00—Men's Class.
6:15—Young People's Meeting.
7:30—Evening Service: "Analysing Failures and Success in Life."

EPWORTH METHODIST CHURCH
Mass. Ave. opposite Waterhouse St., Cambridge
Sunday, 10:45—Morning Worship.
12:10—Epworth Class for Students.
7:30—Young People's Meeting. Leader, Dr. Ault of B. U.
Social Half Hour after meeting.

Play Directory

CASTLE SQUARE: "Able's Irish Rose."—The despair of dramatic critics.
COLONIAL: "These Charming People."—Sophisticated Society, interspersed with Arlenic epigrams. Last week.
COPLEY: "The Sport of Kings."—Ian Hay's uproarious comedy of the race track.
HOLLIS: "The Unseen."—Melodrama of mother and daughter. Final week.
MAJESTIC: "Sweetheart Time."—The usual pretty girls.
NEW PARK: "Give and Take."—Superbly funny comedy of industrial relations.
PLYMOUTH: "Applesauce."—From rags to riches through "Applesauce."
REPERTORY: "The Wild Duck."—A splendid performance of Ibsen's great play.
SHUBERT: "The Student Prince."—Only a little over a week more of the best musical show Boston has seen in years.
TREMONT: "Louie the 14th."—Leaves this week to make room for a return engagement of "No, No, Nannette."
WILBUR: "Sky High."—Good songs, exceptionally good dancing and Willie Howard.

HE RAN FOR A WHOLE YEAR!

in New York—COMING TO BOSTON

FOR A GOOD, HEALTHY RUN

PATTERSON McNUTT Presents

"THE POOR NUT"

With ELLIOTT NUGENT and Original New York Co.

Freshies, Sophs, Juniors, Seniors and Old Grads rave over this hilarious comedy.

HOLLIS STREET THEATRE NEXT MONDAY

ATTRACTIVE SPORT CARD SATURDAY

Quintet Meets Lowell Textile; Ice Team Journeys to Amherst

Court Team Preparing to Meet Stiff Opposition From Lowell Basketeers

Tomorrow evening, the strong Lowell Textile five will invade the Hangar gym to match skill with Coach McCarthy's well balanced Technology basket tossing quintet. This encounter has all the earmarks of being a fast snappy one, as both teams are primed for the tussel to the highest degree.

To date, the Lowellites have had a banner season and will try their best to keep up their good work at the expense of the Engineers. The textile workers have a first class aggregation well versed in every department of the game and exceptionally fast on the floor.

Coach McCarthy is taking no chances in annexing this affair as he has been driving his squad at a pretty fast clip every afternoon this week and is satisfied with the enthusiasm the boys are putting into the practice sessions. Mac thinks this team has hit its stride and is confident that they will come out on the big end of the score when the final whistle blows Saturday. The team has improved remarkably in the passing game and team play and these features are almost certain to be the deciding factors in the outcome of the game.

All Positions Strong
At the point getting positions will be Captain Bill Forrester with Norm Estes as his running mate. The former has lived up to expectations and has been setting a remarkable pace for his teammates. In the games played so far, the play of Captain Forrester has featured the Technology play. Estes in his first year of Varsity play has shown up remarkably well, taking into account the fact that it is his first season at a forward position, having played in the back court. He is progressing rapidly and in a few weeks should develop into a player of the veteran type.

Jumping center we have Jud Biehle. This is Jud's first year as a regular and he has taken up the reins in splendid fashion. Although a trifle slow he figures prominently in the passwork and teamplay. Meyers and and Hinck will take care of the guard positions in an able manner.

This evening in Saltonstall Hall at Salem, the Cardinal and Gray frosh will meet the Salem High School. This affair is an annual event for the year

lings and Berny Morgan's charges will be out for revenge as last year they were on the short end of a 23-22 score. The frosh have shown up well in scrimmage and are confident of taking the measure of the schoolboys.

Probable lineup:
Forwards, Conti and Johnson. Center, (Capt.) Brockelman. Guards, Allen and McClintock.

FRESHMAN SWIMMERS MEET MALDEN HIGH

First Meet Is Tomorrow Night With Malden Schoolboys

Malden High School will provide the first opposition for the freshman swimming team tomorrow night in the former's pool. The freshmen are as yet an unknown quantity but if hard practice is any indication of ability they should make a creditable showing.

They have been putting in some hard work under the tutelage of Sherwood Brown '23, who has volunteered his assistance in coaching the freshmen. He deserves much credit for giving his time to this cause.

The team has been weakened considerably by the loss of Luey, a back-stroker, and Walsh a fast man in the breast stroke. Without these two men the team is an unknown quantity and little will be known about the ability of the yearlings until after this meet with the Malden schoolboys.

Malden defeated English High Wednesday 36 to 32 and turned in some fast time in doing so. To beat Malden, the freshmen will have to defeat Baker. Baker took first in the 40 and 100 yard dashes and swam on the winning relay team, making a new record in the 100, against English High.

TIME TRIALS FOR HARVARD RELAYS HELD TOMORROW

Coach Hedlund Has Many Men to Pick From to Make Up Teams

IS ONLY PRACTICE MEET

The track seasons begins in earnest tomorrow afternoon when the time trials will be run off under Os Hedlund's supervision. Both the Varsity and freshmen meet Harvard on January 16 in a series of relay races. There will be a one-lap, three lap, and six-lap race for each team.

It is early in the season yet to predict who will make the teams, even the coaches being in doubt. For the Varsity, Jack Wiebe and K. E. Smith are fast men in the dash. There are so many men out for the 400 that it is impossible to say who will be on the three-lap team. George Leness, Gil Symonds, and Pete Kirwin are some of the outstanding middle distance runners.

Berman is one of the fastest frosh dashmen. C. B. Smith is another speedster. Earle and Keyser should make a good showing in either the one-lap or three-lap. W. E. Robinson and Jack Hallahan should do well in the half-mile.

Records for both freshmen and Varsity on the board track were instituted last year. At the rate the men have been going this year, it will be surprising if one or more of the records are not broken tomorrow.

The meet with the Harvard relay teams is in the form of a practice meet and so will have no official bearing on the standing of the two squads.

Sports Desk

Jack Albright seems to have created an unusual interest in wrestling this year by his keen interest in the sport and his ability to impart his skill to others. Several innovations started by him indicate that wrestling is due to take a jump at the Institute under his tutelage.

Coach Russ Deane of the swimming team is of the opinion that the Boston University swimmers will not be up to standard Saturday night, due to the fact that they are working under a new coach whose methods are not entirely in agreement with those of the former coach. Changing their style may speed them up in the long run but will handicap them somewhat right now.

The Johnson brothers, Ralph and Paul, swam a freak race Wednesday night and Paul demonstrated the superiority of his stroke. Paul swam breast stroke and Ralph used the back stroke for a distance of 100 yards, and Paul finished just a shade in front. His time was 1 min. 23.8 sec.

Take Your Choice

Saturday, January 9

- Basketball**
Varsity—Lowell Textile in Hangar Gym.
Freshmen—Salem High School at Salem.
- Hockey**
Varsity—Massachusetts Aggies at Amherst.
- Wrestling**
Freshmen—Northeastern freshmen in Hangar Gym.
- Swimming**
Varsity—Boston University at Boston Y. M. C. A.
Freshmen—Malden High School at Malden.

FROSH MATMEN GRAPPLE WITH NORTHEASTERN

"If the freshmen wrestlers show as much spirit and fight in their meet with the Northeastern frosh as they have been showing in their recent practice bouts, there should be no doubt as to the result of the meet," is the way Coach Albright expresses his opinion of the freshman team.

At 3 P. M. Saturday afternoon the yearlings swap holds with the boys from the Y. M. C. A. college, and as this is the first opportunity that the plebes have had of displaying their ability on the canvas mats, the eyes of the Tech sport followers will be focused on the hangar gym, the scene of the mixup.

Practice bouts held this week have listed the following men as the Technology entrants in the meet; 115 lb. Ross, 125 lb. Kimmel, 135 lb. DerMardousian, 145 lb. Bacon, 158 lb. Glen, and 175 lb. Giardino.

This season's freshman team is no different from the majority of the other teams in one respect, there is a great scarcity of heavy men. In fact if there was an unlimited class in the meet Saturday the Tech freshman would not have an entrant. The frosh wrestling squad is as bereft of real big boys as the proverbial egg layer's of teeth.

Coach Jack Albright has a new training system for the Varsity men in the offing which he plans to use the first of next week. Realizing the poor condition which the majority of the wrestlers were in at the Northeastern meet, he has decided to have each man engage in a nine minute bout every night that he comes out for practice and in this manner not only will the men improve their wrestling ability but their general physical condition will be greatly helped.

Another innovation in the practice sessions will be started by Albright. Starting next Wednesday afternoon and every Wednesday afternoon thereafter he will give a short lecture and demonstration of wrestling holds for the benefit of the men. Manager James stated yesterday afternoon that in all probability Dr. Rockwell, president of the Advisory Council on Athletics, would be present next Wednesday at the commencement of the new plan.

In the return to school of Burke, New England intercollegiate heavyweight champion, the Varsity team has had a stroke of good fortune. He will not be ready to compete for Albright's men until the meets next term

ENGINEER SEXTET MEETS MASSACHUSETTS AGGIES

First Game Away From Home This Year For Beaver Puckchasers

On Saturday afternoon the Technology Varsity hockey team will play their first away from home game of the season when they meet the Massachusetts Agricultural College at Amherst. This will also be the first open air contest of the year, the others having been played at the Boston Arena.

Coach Stewart has high hopes of the team turning in a victory, as a result of their consistent improvement during the last two weeks. The Farmers are reported as not having a particularly brilliant team this winter but may spring a surprise. Their chances are considerably weakened by the loss of many veterans by graduation.

Engineer Substitutes Strong

Nine players will make the trip for the Engineers, leaving early on Saturday morning. The squad will consist of: Capt. Deignan, Berkeley, Crandell, Weissner, Randall, Brooks, Freeman, Meade, Richards and Nock. The lineup will be practically unchanged from the one that started against Harvard. Deignan will be at goal. The defense will be taken care of by Deke Crandall and Brooks. On the wings Weissner will pair up with Bill Berkeley, while Randall will hold down the mid ice duties.

Although only taking four substitutes along, the team should be well

supplied with good material, as in some positions the difference between the regular substitute is almost negligible. Richards at the cage has already proved his worth. Nock in the defense and Freeman at forward are both improving. Meade at center is to be reckoned among the fastest men on the squad. Freshmen have been turning out in large numbers the last few mornings at the Arena and give promise of putting a strong team on the ice for their first game. The yearlings have their work cut out for them, though, to equal many of the Greater Boston teams this year. Many of the secondary schools are putting teams on the ice this season that would do justice to a college team.

Commencing Wednesday afternoon, January 13, 1926, and continuing on every Wednesday afternoon for the rest of the season, there will be a special instruction period given by Coach Albright at 5:00 P. M. At this time every man interested in wrestling is strongly urged to be present. It has been found that Wednesday afternoon is convenient for the majority of the men and therefore everyone is expected to be there. Coach Albright has instituted a new system. For further details ask him about it.

Loose Leaf Exhibit

Through January we are showing the largest variety of loose leaf forms in Boston. Special forms for every business, professional and college use.

Come in and ask questions. No obligation

Binders for every purpose



Expense Accounts Memo Books Accounting Devices

57 Franklin St., Boston

JOB PRINTING

This department is our fastest growing one. We have been rushing since last March. Why? QUALITY COUNTS. ANCHOR LINOTYPE PRINTING CO. 144 High Street, Boston, Mass. Telephone Maine 4734-5-6 NOW

Hotel Kenmore Barber Shop
496 COMMONWEALTH AVE.
A rendezvous for Tech men. Seven barbers with a smile.

THEY'VE STARTED ALREADY—

to sign up for the best Summer vacation ever—the European trip which is being specially arranged so that men here at Technology can spend a novel and congenial Summer seeing the most interesting parts of Europe at the smallest possible expense.

We are enabled to make all arrangements through Thomas Cook & Son for a four week's itinerary on the continent. The party will be personally conducted and will leave at whatever date is most suitable to those concerned. Shorter or longer trips may be arranged if so desired.

Please let us answer all your questions:

GEORGE C. HOUSTON
Room 302, Walker
C. F. LYMAN
Room 2-174

Jordan Marsh Company

THE STORE FOR MEN
A Separate Store in a Separate Building

WASHINGTON STREET AT SUMMER

Jordan Marsh Company

1851

Diamond Jubilee

1926

The Greatest Values We Have Ever Offered

During the entire month of January in the Store for Men and in our Main Store we are offering daily to the public the greatest values in our history. Watch the daily newspapers for our announcement of special values in the Store for Men.

THE MEN'S STORE OF NEW ENGLAND

STANDARD WAVES FOR THE RADIO AMATEURS

(Continued from Page 1)

tinue until 10:30.

Officers of the Radio Society expect that these tests will be of considerable importance to radio amateurs throughout the country as they were announced in the January issue of "QST" which is the national magazine of the American Radio Relay League.

The Radio Society has been assisted in offering this service through the use of standard wave apparatus belonging to the communications laboratory of the Institute. Each signal in the test will be adjusted to the exact frequency desired and then that frequency will be announced as sent so that an accuracy of 0.2 of 1% or better is expected.

Try

FABERY'S SALTS

The best saline laxative
Over 30 years on the market

MILLER DRUG CO.

DINNER and
SUPPER
DANCES

"WHERE
THE POPULATION'S
ONLY TWO"

Is all very well in a popular song.
But in Goodtime land, you enjoy
a background of population
that is having a happy time, too.
That's one reason smart people
love to do their dining and dancing
at the Egyptian Room of the
Brunswick.

The EGYPTIAN
ROOM
The BRUNSWICK

Boylston St., at Clarendon

SELECTED GRADES

Anthracite and
Bituminous

COAL

Burton-Furber Coal Co.

50 Congress Street

BEACH 8130

... and remember

FOR GOOD FOOD

The Palace

IS SUPREME

In the heart of the theatrical
district

Tremont and Stuart

BOSTON

SWIMMERS CONFIDENT OF SCUTTLE B. U.

(Continued from Page 1)

Wednesday night and so drew the call over Brown.

Whitey Woods Ineligible

There will be no 440 yard swim on the program, the 220 yard swim being substituted for this event. Captain Wells and Keay are the Technology entries for this distance and this race bids well to cause heart failure in the bleachers.

Stock in the Engineer diving squad took a drop at the announcement that Whitey Woods is ineligible. There are three other possibilities, Brown, Higgins, and Keay and two men will be picked from these to do the diving.

Ralph Johnson is expected to carry off the backstroke honors. He was clocked at 1 min. 24.1 sec. in the 100 yard distance Wednesday night, which is very good time. This was in a freak race between Ralph and Paul Johnson, Paul swimming breast stroke. Against fast backstroke competition Ralph should do better than this. Bridges defeated Lane in a trial Wednesday night and so earned the right to be the second swimmer in the backstroke. His time was 1 min. 25 sec.

Notices and Announcements

OFFICIAL FRESHMEN

Substituting boxing for Physical Training, sign up in Mr. McCarthy's office today.

UNDERGRADUATE DORM DANCE

There will be an informal Dorm Dance in the main hall, Walker, tonight from 8 to 12.

CHEMICAL SOCIETY

There will be a meeting of the officers of the Chemical Society in room 3-312, tonight at 5 o'clock.

T. C. A. PLEDGES

Men not having redeemed their T. C. A. Drive pledges are requested to do so at once in room 7, Walker.

CREW DINNER

The Technology Boat Club will hold an open dinner for upper class crew men at 6 P. M. Tuesday in Walker Memorial.

VARSITY BASKETBALL

The following men will meet in Walker at 6:15 Saturday, January 9, for the Lowell game: Forrester, Hinck, Meyer, Biehle, Estes, Inners, sky, Mock, Steavens, Gerst.

FRESHMEN BASKETBALL

The following men will meet in Hangar at 4:10 P. M. Friday to go on Salem trip: Allen, Brockelman, Conti, Dame, Johnson, McClintock, Seron, Faudree.

Grover will take care of the 100 yard dash in fine style. He is almost unbeatable in this event and B. U. will have to have an exceedingly speedy swimmer to beat him. Brown will likely be mated with him.

Puschin and Paul Johnson are both fast men in the breast stroke and they will take the water for the Cardinal and Gray tomorrow night.

There are six men who are eligible to swim on the relay team, Kelsey, Brown, Grover, R. Johnson, Walworth, and Barlow. The four who will be picked will depend on what the score is at the time. Coach Deane says that if the relay points are not needed to win the meet, he will race the four slowest men.

FACULTY RESERVE OFFICERS TO MEET

Major C. H. Bandholtz of the Military Science Department will discuss "Recent Developments of the Machine Gun" at a meeting of the members of the M. I. T. Chapter, No. 9, of Reserve Officers, to be held next Wednesday evening, January 13, in the Faculty Room Walker. This is the annual meeting at which officers are elected and other business is conducted.

This organization is composed of the Institute professors and instructors who are reserve officers in the U. S. Army or Navy. There are a total of thirty members.

MINING SOCIETY HEARS GOODALE

Apex Mining Law Subject of Discussion Last Night In Walker

G. W. Goodale '75, mining and consulting engineer, was the speaker at the meeting of the Mining Engineering Society of Technology last night in the West Lounge of Walker. W. H. Callahan '26, president of the Society was in charge of the gathering.

Mining laws and the efforts to enforce them and the difficulty of getting court decisions, particularly in the Western states, was the subject discussed. Mr. Goodale was the manager of a large mine in Montana during the period between 1900 and 1909. He said the large corporations were constantly harassed by small enterprisers who purchased small parcels of land, and from these vantage points took advantage of the "Apex Mining Law" and stole millions worth of ore. The law states that the discoverer of a vein has the full rights to it though it may run under the land owned by others. The law originated in California, where the veins have a very sharp dip.

In the Montana district, however, the veins have slight dip and the slips and criss-crossing cause a great deal of difficulty in the exact determination of ownership. Large corporations often resorted to actual warfare and anything from pick-handles to dynamite were used, to prove the ownership, stated Mr. Goodale. After a time the great firms saw that their warlike methods cost too much and they resorted to the courts. While awaiting for decisions, individuals frequently purchased land close to the land in dispute and took great quantities of the valuable ore away by right of the Apex law.

Mr. Goodale told a number of stories of his work in the Western states and of the old methods used in mining and the way that business and labor

TECH MEN RECEIVE MENTION FOR WORK

The fourth meeting of the conjunctive jury from the Boston Architectural Club, Harvard and Technology, was held at Rogers last week for the purpose of judging the two best sketch problems. The jury consisted of Mr. Larsen, chairman, Mr. Clapp and Mr. Perry from the B. A. C., Professors Haffner and Humphreys from Harvard, and Professor Carlu and Mr. Gunther from Technology. In the sketch problem, "A Pedestal for An Equestrian Statue," L. N. Zaitzevsky '26 of Technology was awarded "First Mention." In the three-week problem entitled "A Memorial Monument," the following received "First Mention Placed": R. C. Dean '26, L. Pirola '26, and L. N. Zaitzevsky '26 of Technology and Stone of Harvard.

GATHER YE ALL TO

Beacon Rathskeller

792 BEACON STREET

SPECIAL LUNCHEONS and
BLUE PLATE DINNERS

Cozy Booths—Excellent Cuisine
Dancing

AUTOMOBILE
ACCESSORIES and SUPPLIES

MILLER TIRES

Special discount to students

FRANK FORD CO.

1266 BOYLSTON STREET

Student Representative
R. W. DENNIS '26
Locker No. 4715, Bldg. 2

Open Evenings—Mr. Dennis will
deliver supplies at the Institute

SIMPLEX

Simplex Wires and Cables, insulated with rubber, paper or varnished
cambric and covered with braid, lead or steel armor, are rendering
satisfactory service in many of the larger power stations of the
country.

SIMPLEX WIRE & CABLE CO

Manufacturers

201 DEVONSHIRE ST. BOSTON



After shaving—sure, positive
all-day face comfort

TALCS dry the skin. Williams Aqua Velva is a
liquid preparation for after-shaving use which
conserves the skin's natural moisture. Wind and
weather cannot hurt the face protected by it. By
the makers of Williams Shaving Cream. Big 5-ounce
bottle 50c, at all dealers'.

FOR BETTER SHAVING—WILLIAMS

The Massachusetts Institute of Technology

Cambridge, Massachusetts

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers Courses, each of four years' duration, in Civil, Mechanical and Electrical Engineering, Naval Architecture and Marine Engineering; Mining Engineering and Metallurgy and Geology; Architecture and Architectural Engineering; Chemistry, Chemical Engineering and Electrochemical Engineering; Biology and Public Health and Sanitary and Municipal Engineering; Mathematics, Physics, General Science and General Engineering; and in Engineering Administration. These courses lead to the degree of Bachelor of Science.

To be admitted to the first year class, applicants must have attained the age of seventeen years, and must satisfactorily fulfill entrance requirements in Algebra, Plane and Solid Geometry, Trigonometry, Physics, Chemistry, English, History and French or German and two units of elective subjects. Examinations are required in all subjects except Chemistry, History and the electives, the requirements for which are fulfilled by the presentation of satisfactory certificates. A division of these entrance subjects between different examination periods is permitted.

Entrance examinations are held at the Institute in September. In June, applicants will be examined by the College Entrance Examination Board in Boston, New York, Philadelphia, Chicago and many other cities in America and Europe. A circular stating times and places is issued in advance by the College Board.

Graduates of colleges and scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

Graduate courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science and Doctor of Public Health are also offered. Special Research Laboratories of Physical Chemistry, Organic Chemistry, Organic Chemistry, Applied Chemistry and Science have been established.

Correspondence should be addressed to the Institute of Technology.

PUBLICATIONS

Catalogue; Bulletins of General Information, Summer Session, and Graduate Study and Research; and the Report of the President and Treasurer.

Any of the above named publications will be mailed free on application.

The Massachusetts Institute of Technology

Cambridge 39, Massachusetts